

Claims

1. Roll-up door comprising at least one closing element which is provided in the form of a strip-like hanging element (10) in the region of a lower edge thereof when in the closed position, and an elastically deformable stabilizing element (20) which is situated on the lower edge of the closing element when in the closed position, characterized in that the restoring force counteracting a deformation of the stabilizing element (20) in a direction opposite to the closing direction (P) is less than the restoring force counteracting a deformation of the stabilizing element (20) in a direction transverse, in particular approximately perpendicular, to the closing element when in the closed position.

2. Roll-up door according to Claim 1, characterized in that the stabilizing element (20) is composed at least partially of an elastomeric material and/or plastic.

3. Roll-up door according to Claim 1 or 2, characterized in that the stabilizing element (20) has at least one leaf spring (24) having primary surfaces, wires, belts, or the like oriented perpendicularly to the closing direction (P).

4. Roll-up door according to Claims 2 and 3, characterized in that the at least one leaf spring (24) is embedded in the elastomeric material.

5. Roll-up door according to Claim 3 or 4, characterized in that the stabilizing element (20) has two or more parallel leaf springs (24) separated at a distance from one another.

6. Roll-up door according to one of the preceding claims, characterized by a groove (22), situated at the upper edge of the stabilizing element (20) and extending in the longitudinal direction of the stabilizing element (20), which at least partially accommodates a lower edge of the hanging element (10).

7. Roll-up door according to Claim 6, characterized in that the lower edge of the hanging element (10) is glued to and/or screwed into the groove (22).

8. Roll-up door according to one of the preceding claims, characterized by a channel (26) passing through the stabilizing element (20), preferably in the region of the lower edge thereof.

9. Roll-up door according to one of the preceding claims, characterized by a safety device, preferably accommodated in the channel (26), which can be operated for switching off and/or triggering a change in direction of a drive device coupled to the closing element.

10. Roll-up door according to one of the preceding claims, characterized in that the stabilizing element (20) has a sealing lip (28) which projects downward and preferably forward at an oblique angle, and which may be contacted with the floor in the closed position.

11. Roll-up door according to one of the preceding claims, characterized in that the stabilizing element (20) has a multi-part design, a channel preferably passing through one of the parts of the stabilizing element.

12. Roll-up door, in particular according to one of the preceding claims, comprising a closing element which is provided in the form of a strip-like hanging element at least in the region of a lower edge thereof when in the closed position, at least one guide element (40) situated on a lateral edge of the closing element, and an intake system (30) situated on the upper edge of the guide element by which the lateral edge of the closing element may be automatically introduced into the guide element (40) during a closing motion, characterized in that the intake system (30) has at least two oppositely situated delimiting surfaces for the closing element, and/or pretensioning devices (33, 35) which may be contacted with a stabilizing element (20) situated on the lower edge thereof, by which the closing element, i.e.,

the stabilizing element (20), is pushed in directions opposite to and transverse to the direction of motion of the closing element.

13. Roll-up door according to Claim 12, characterized in that at least one pretensioning device has a bristle element (33, 35) which may be elastically deflected by the closing element or stabilizing element which strikes it.